

NPN

PNP

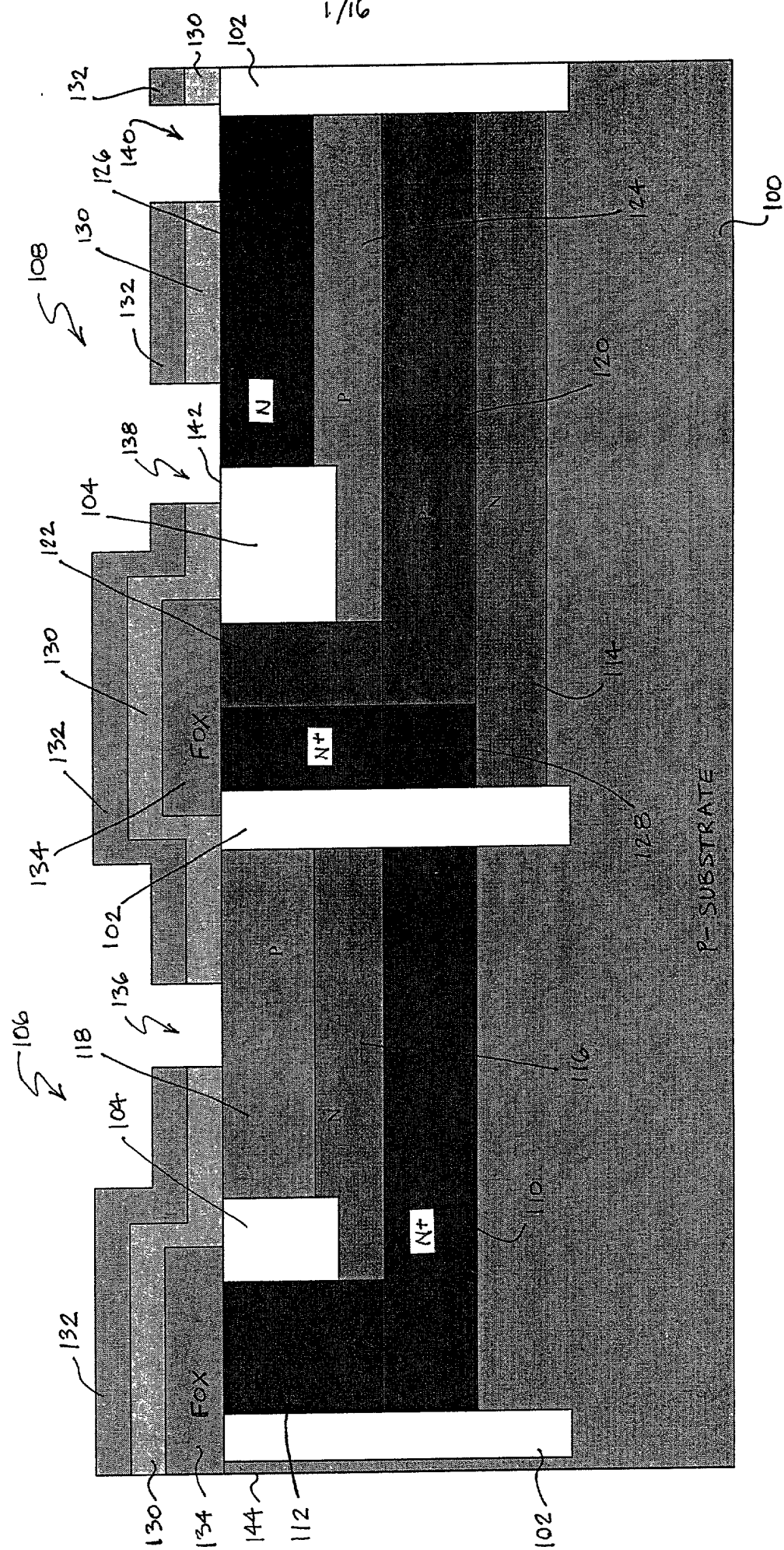


FIG. 1

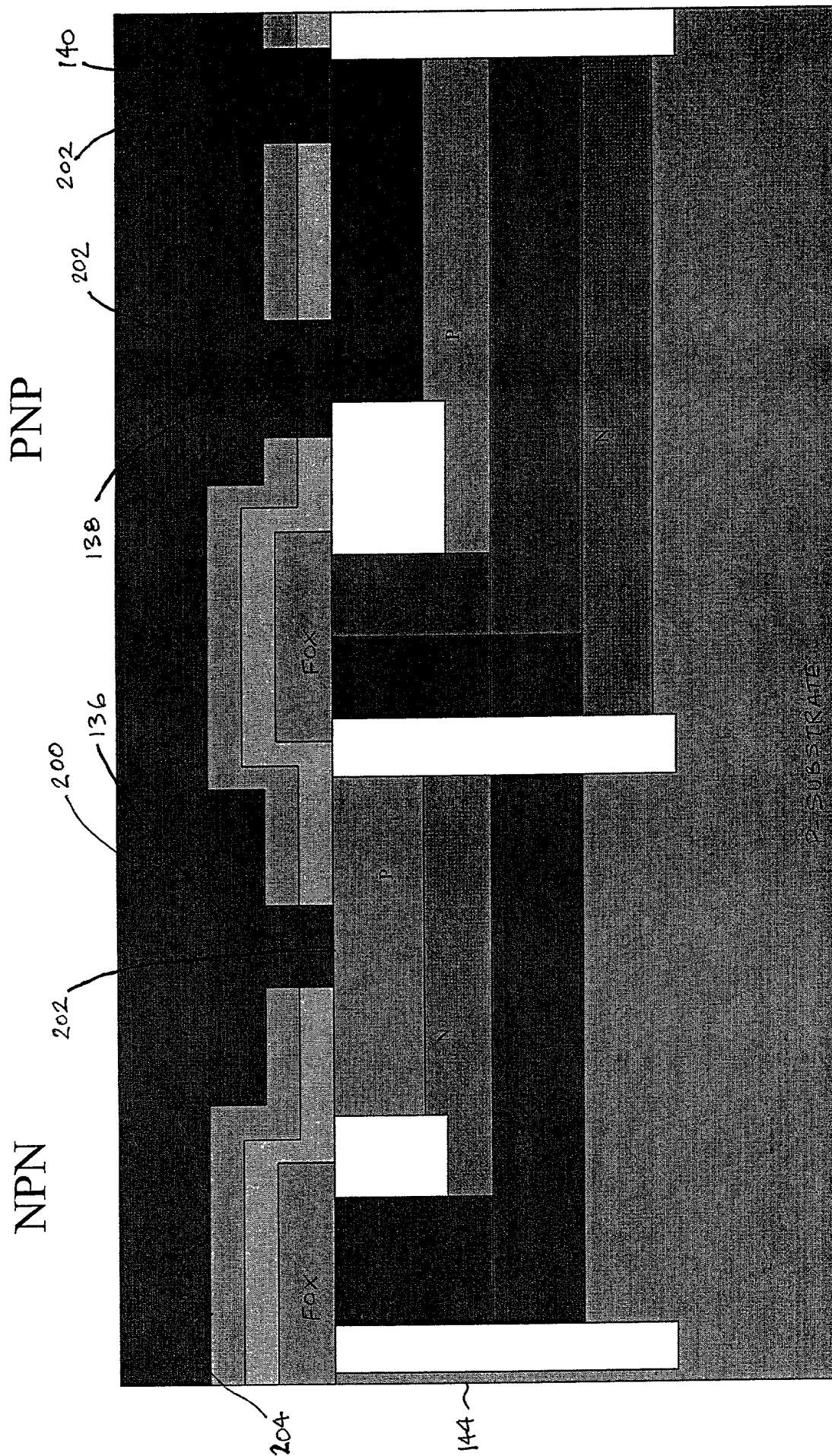


FIG. 2

NPN      PNP

106      108

300      200

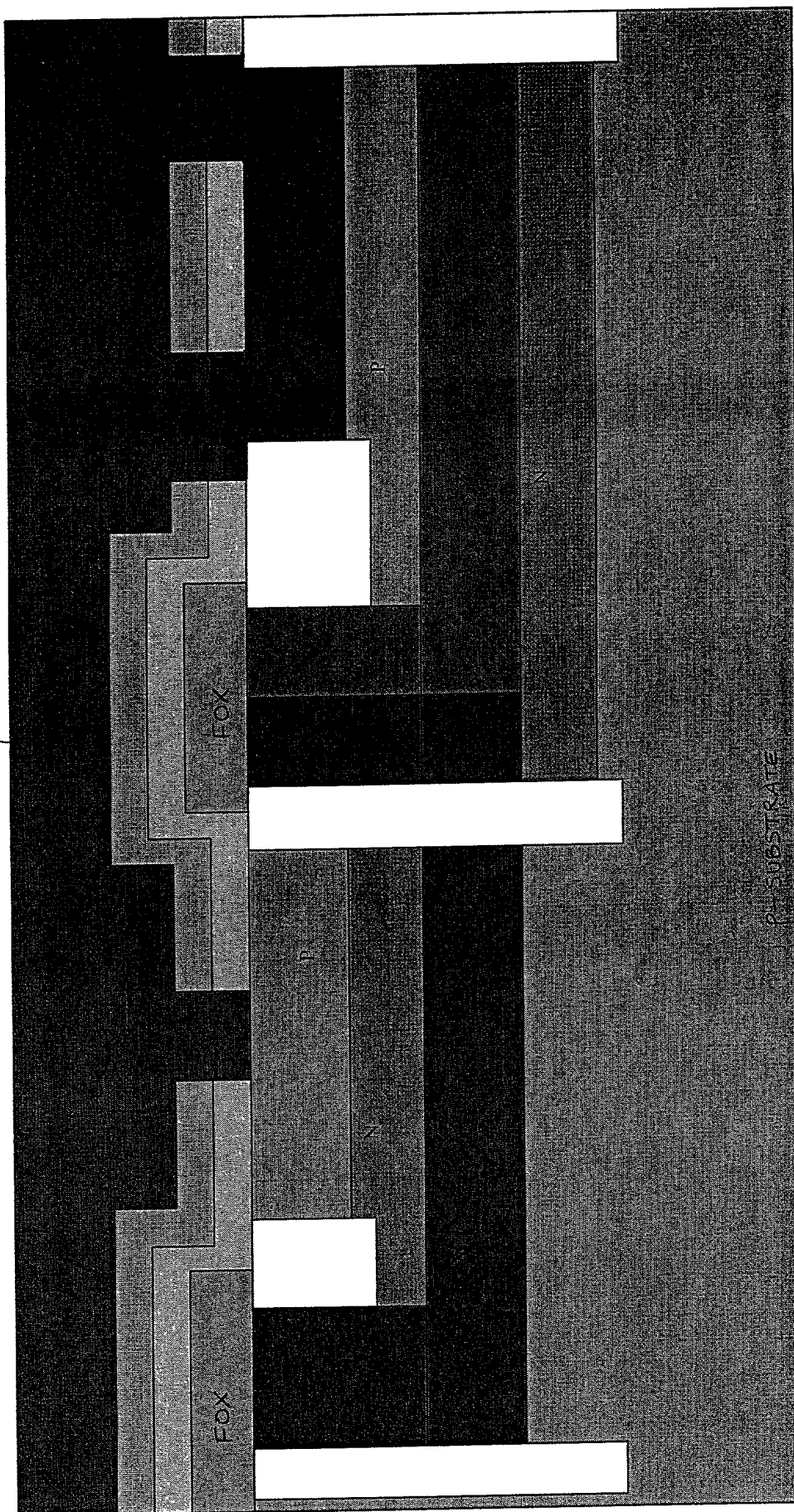


FIG. 3



PNP

NPN

200

400

144 ~

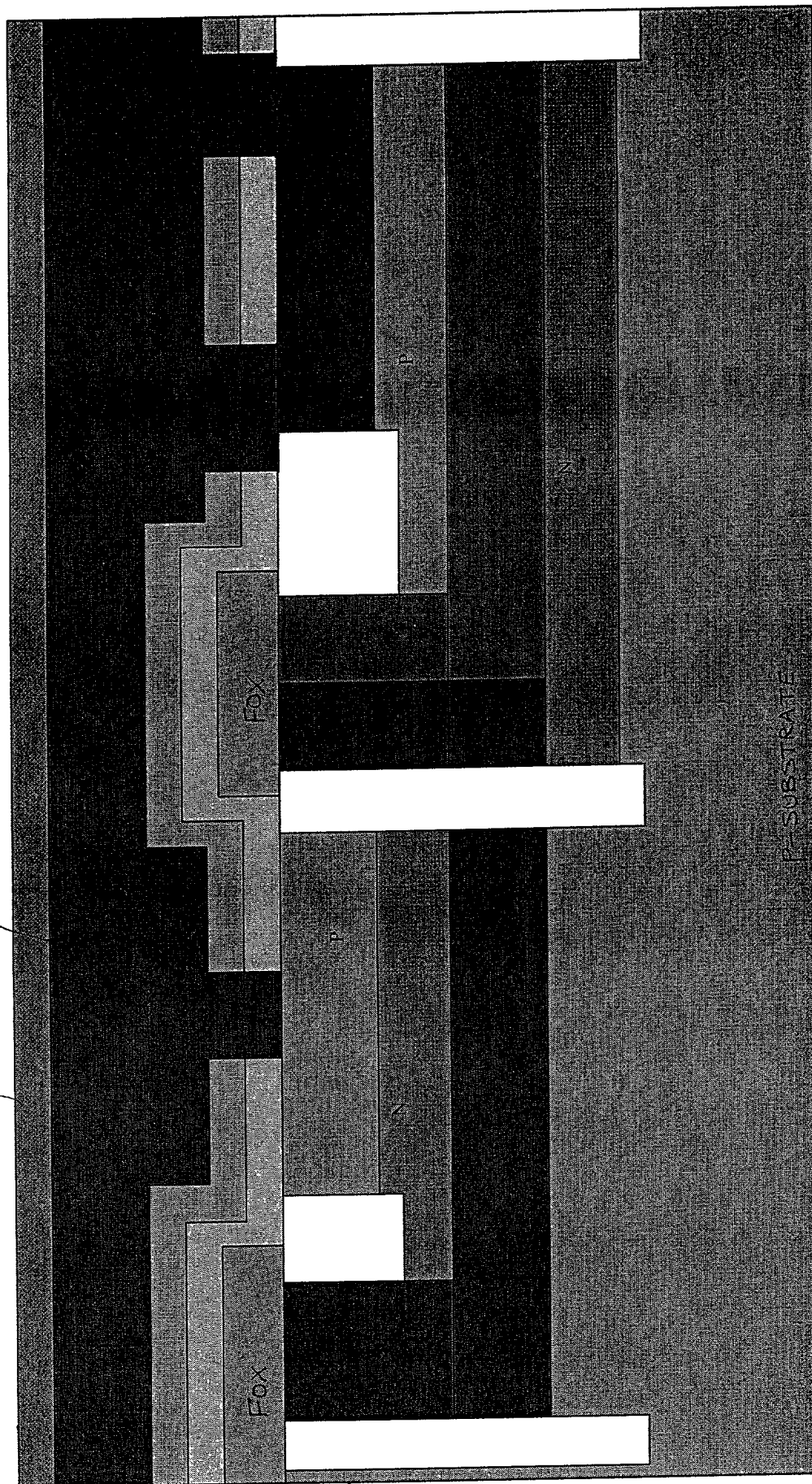


FIG. 4



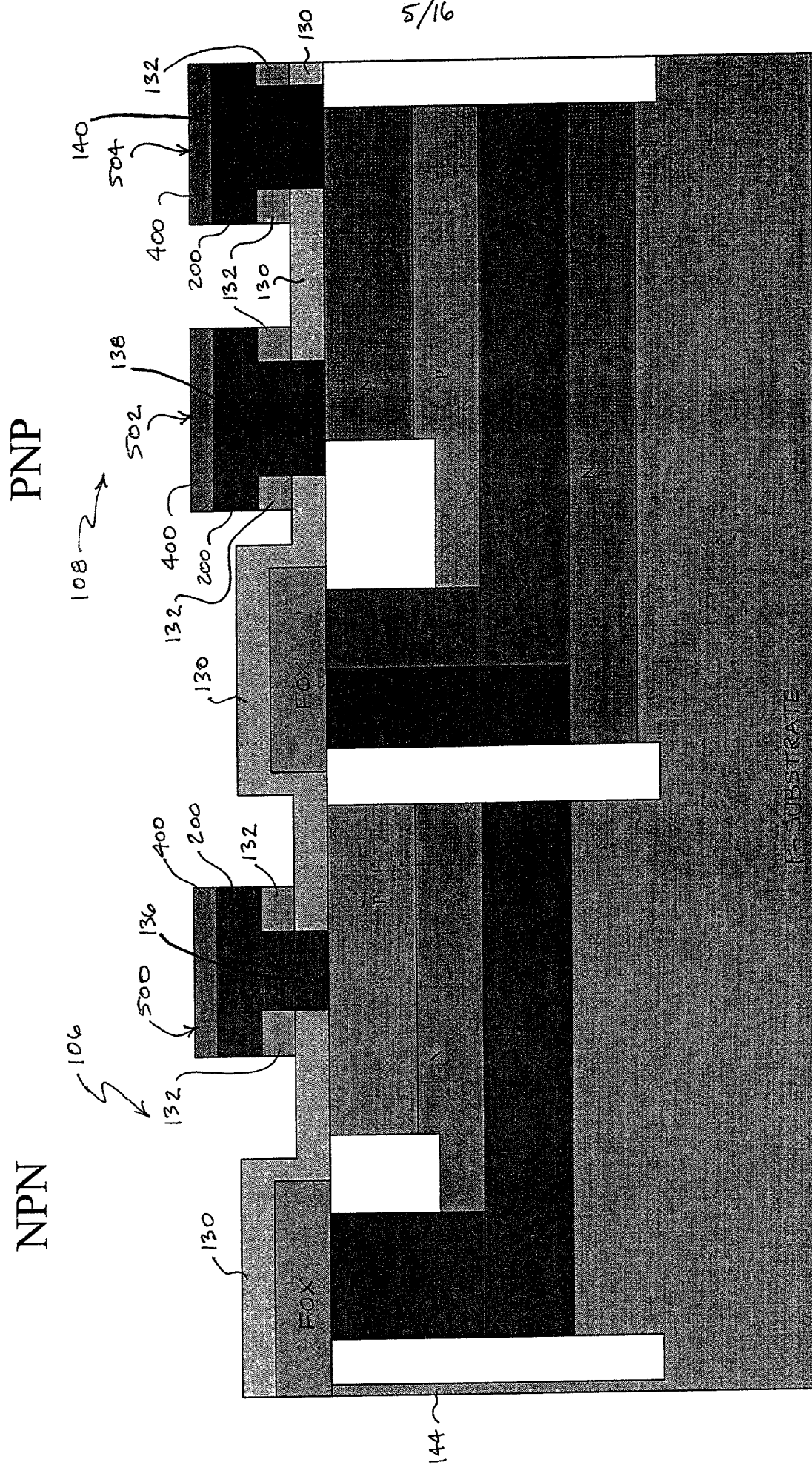


Fig. 5



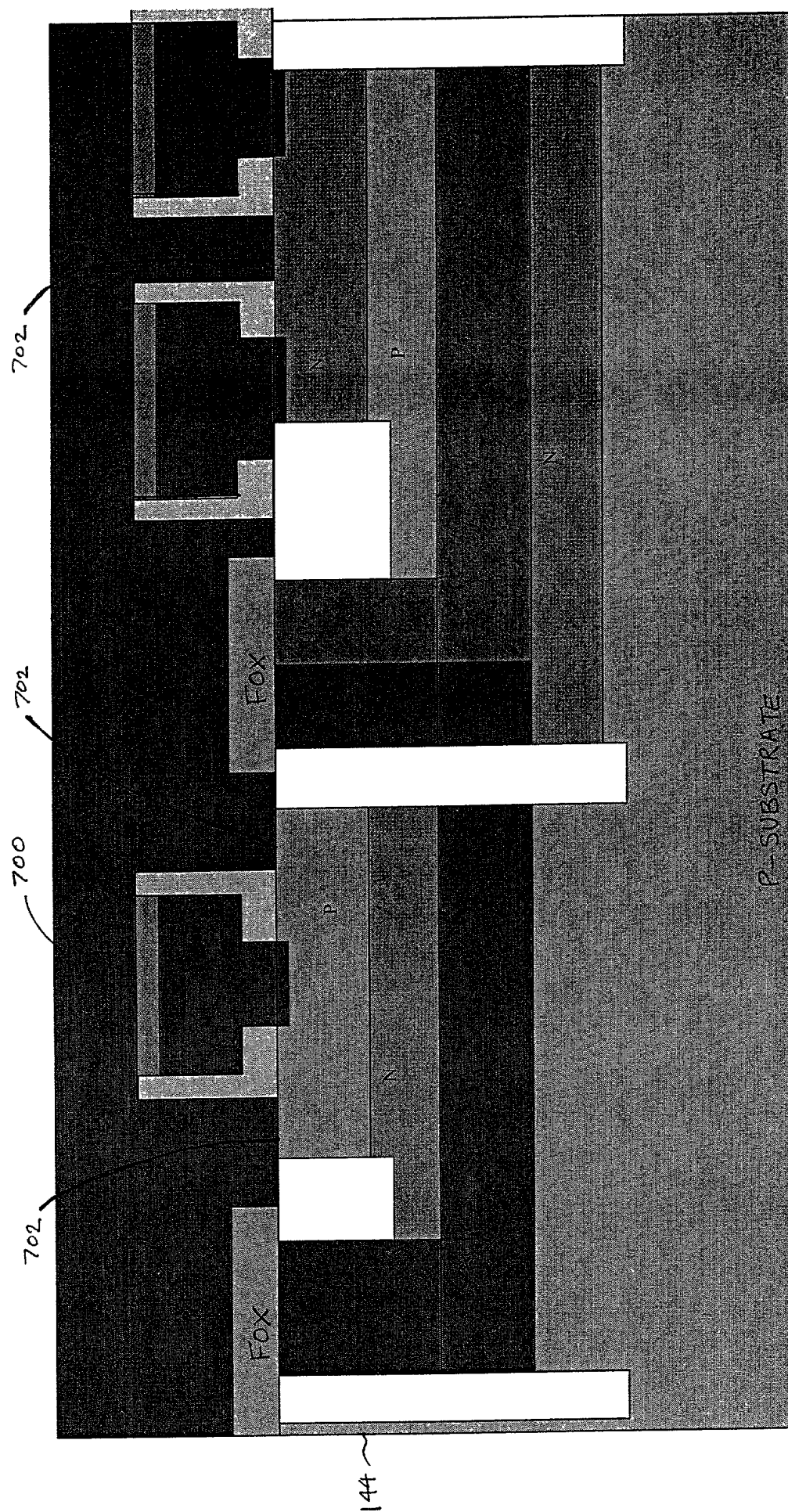
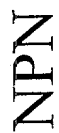


Fig. 7





PNP

NPN

900 700

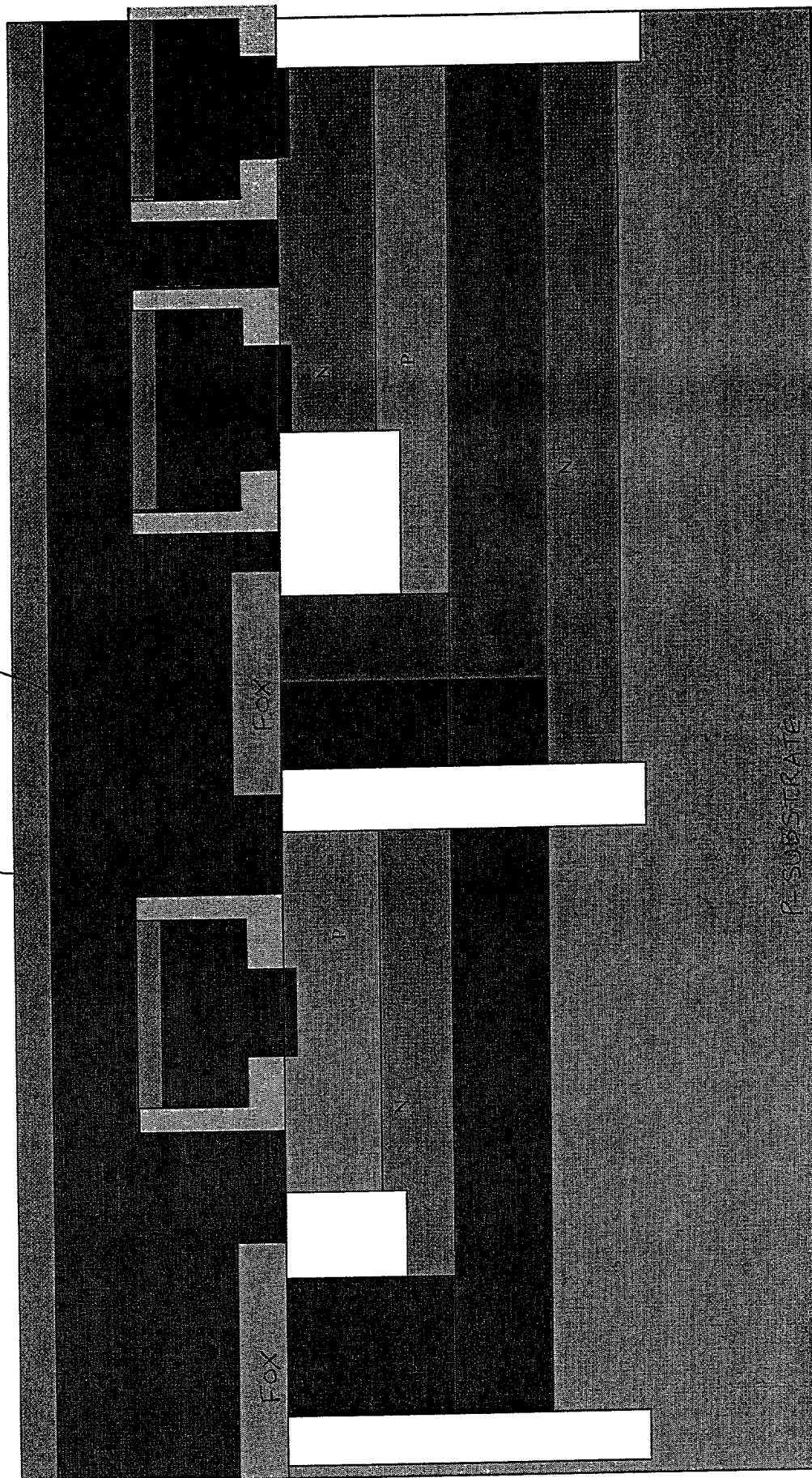


FIG. 9

PNP

NPN

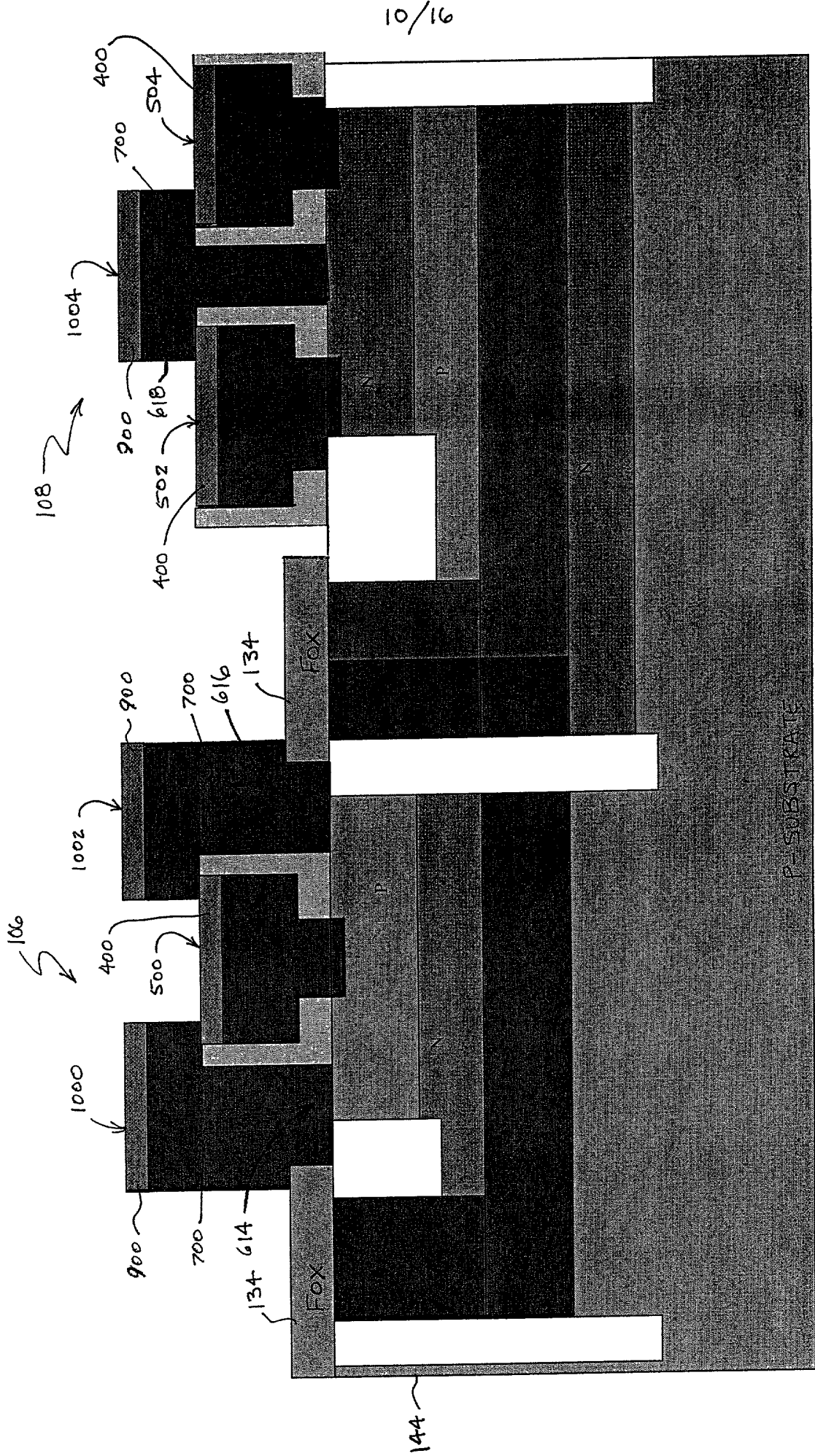


FIG. 10

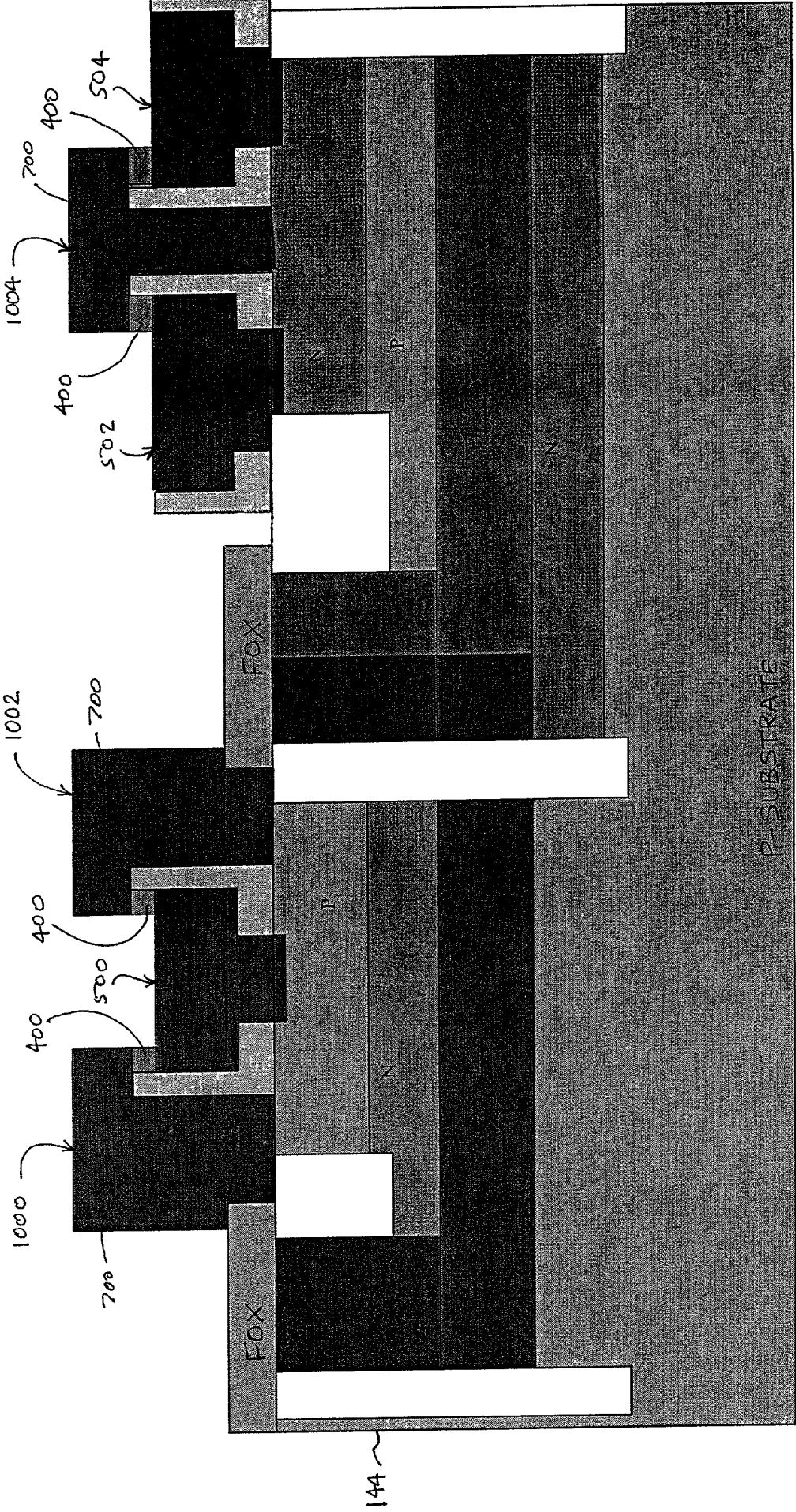


PNP

108 ~

NPN

106 ~



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FIG. 11

PNP

NPN

106

108

1002

1202

1200

700

1202

602

200

1202

700

604

FOX

1202

1200

500

1202

700

606

200

FOX

1202

608

1202

700

610

1200

612

200

1202

1202

700

612

200

FOX

1202

612

1202

700

612

200

FOX

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700

612

200

FOX

1202

612

1202

700

612

200

FOX

1202

612

1202

700

612

200

FOX

P-SUBSTRATE

FIG. 12

1204

118

1206

1208

126

1208

144

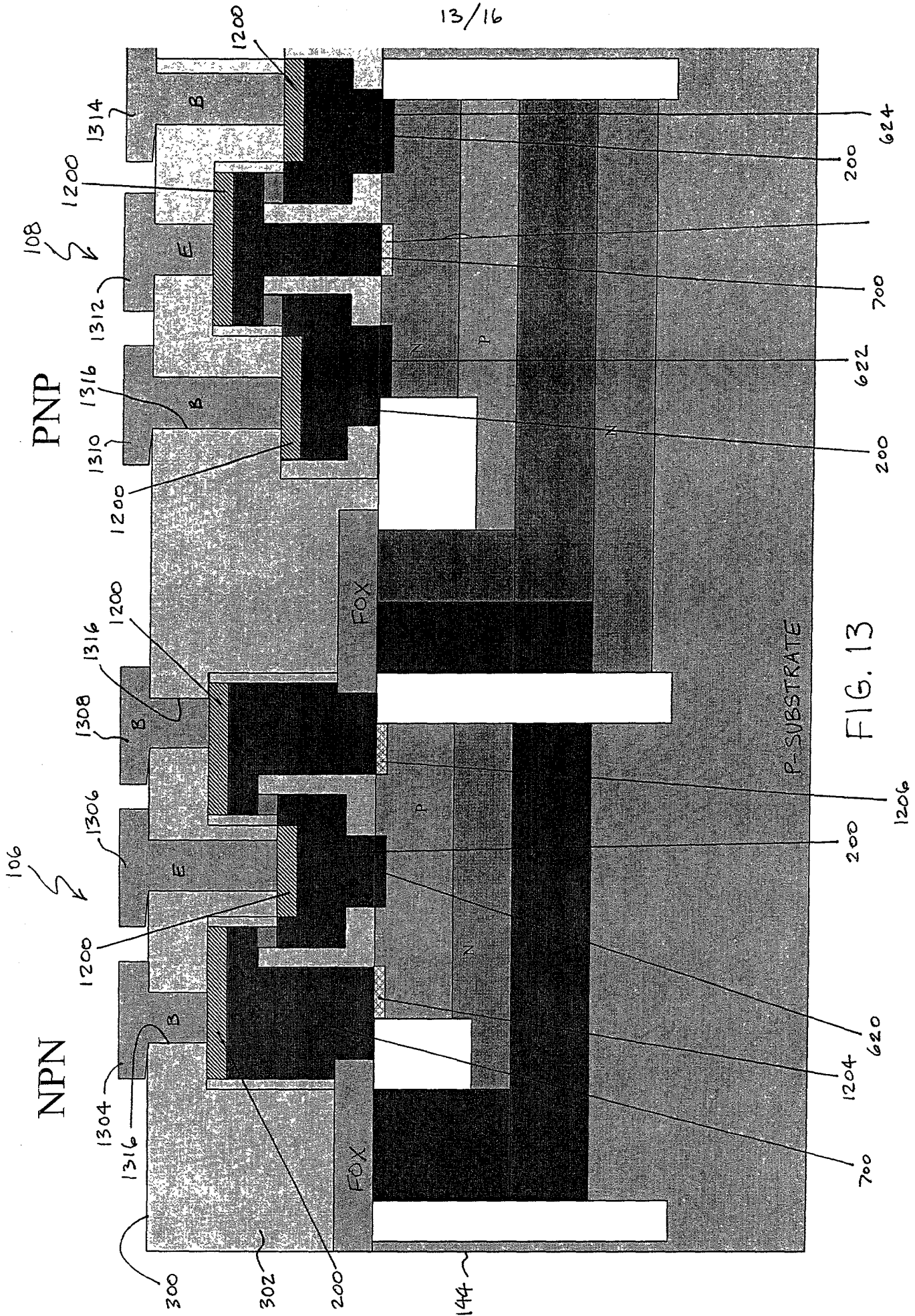


FIG. 13



Case II  
NPN

PNP

106

108

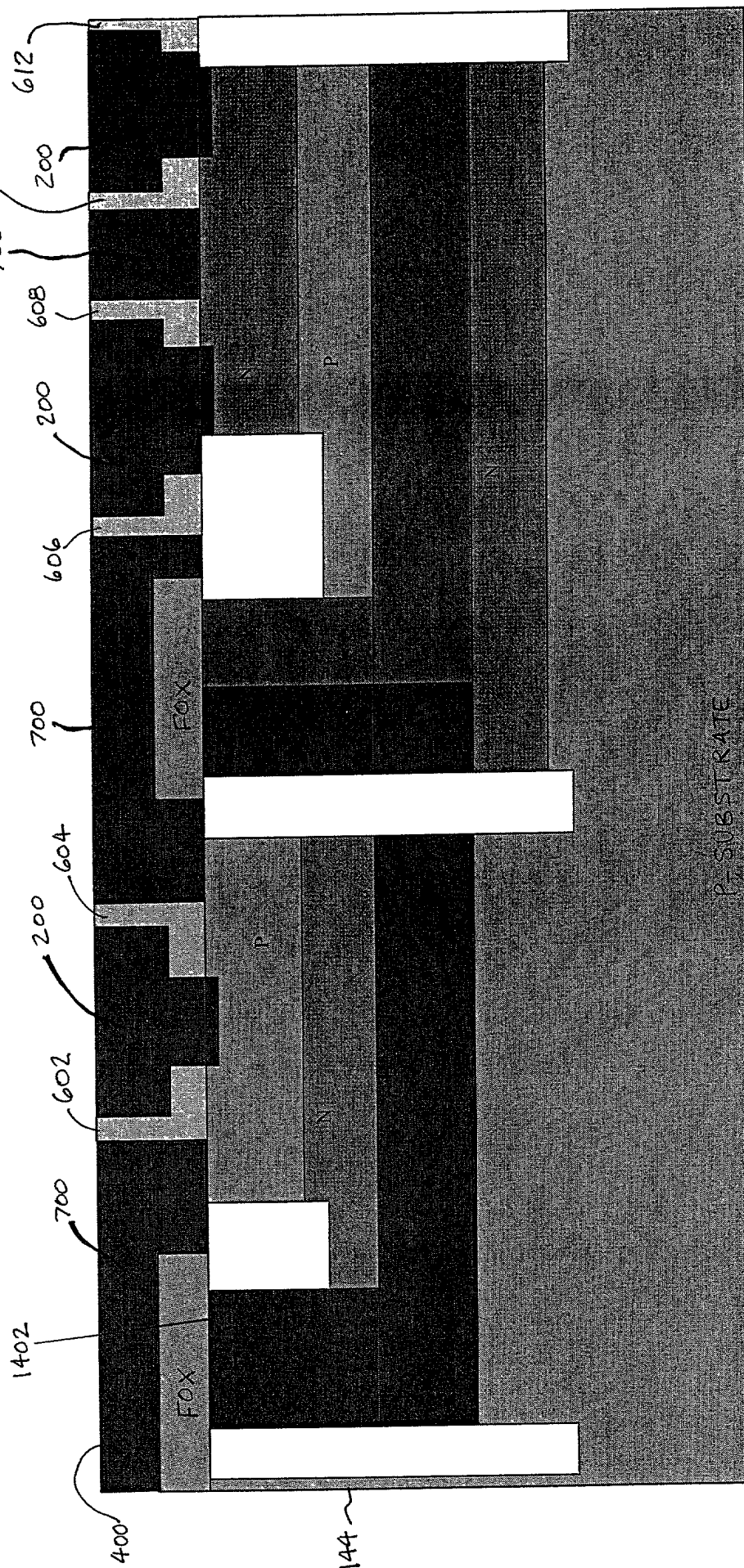


FIG. 14

Case II

NPN

106

PNP

108

1500  
700

1502

700

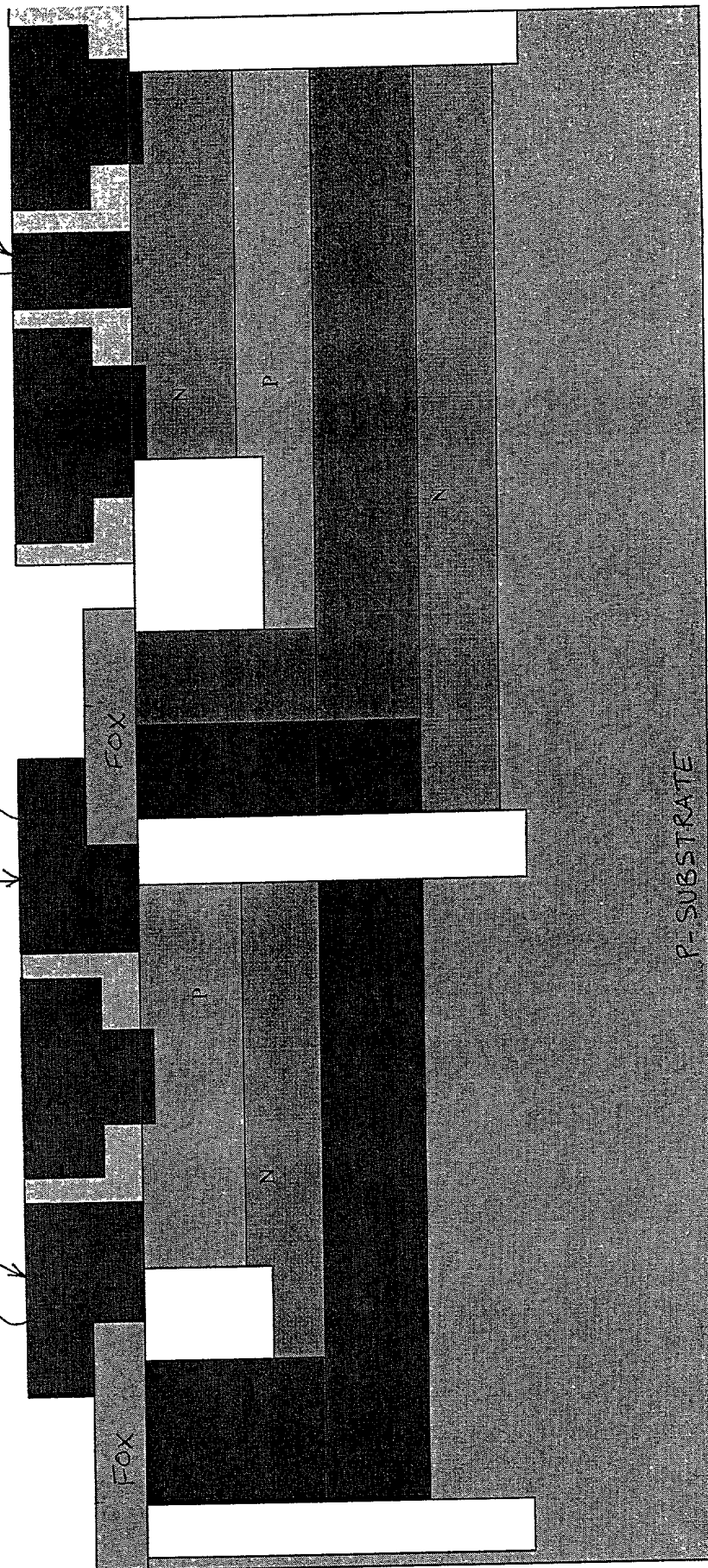
FOX

FOX

144

P-SUBSTRATE

FIG. 15



Case II

NPN

PNP

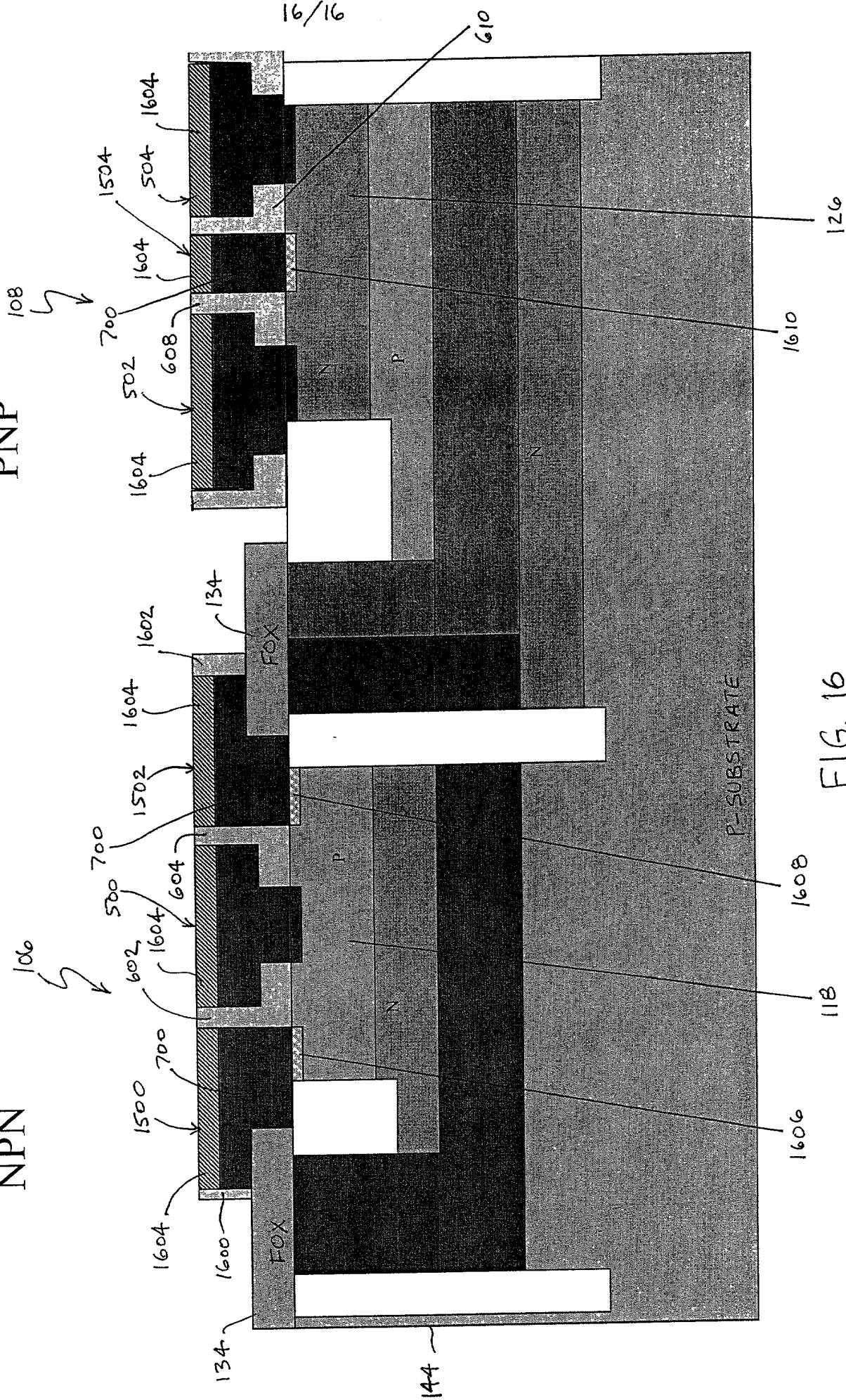


FIG. 16